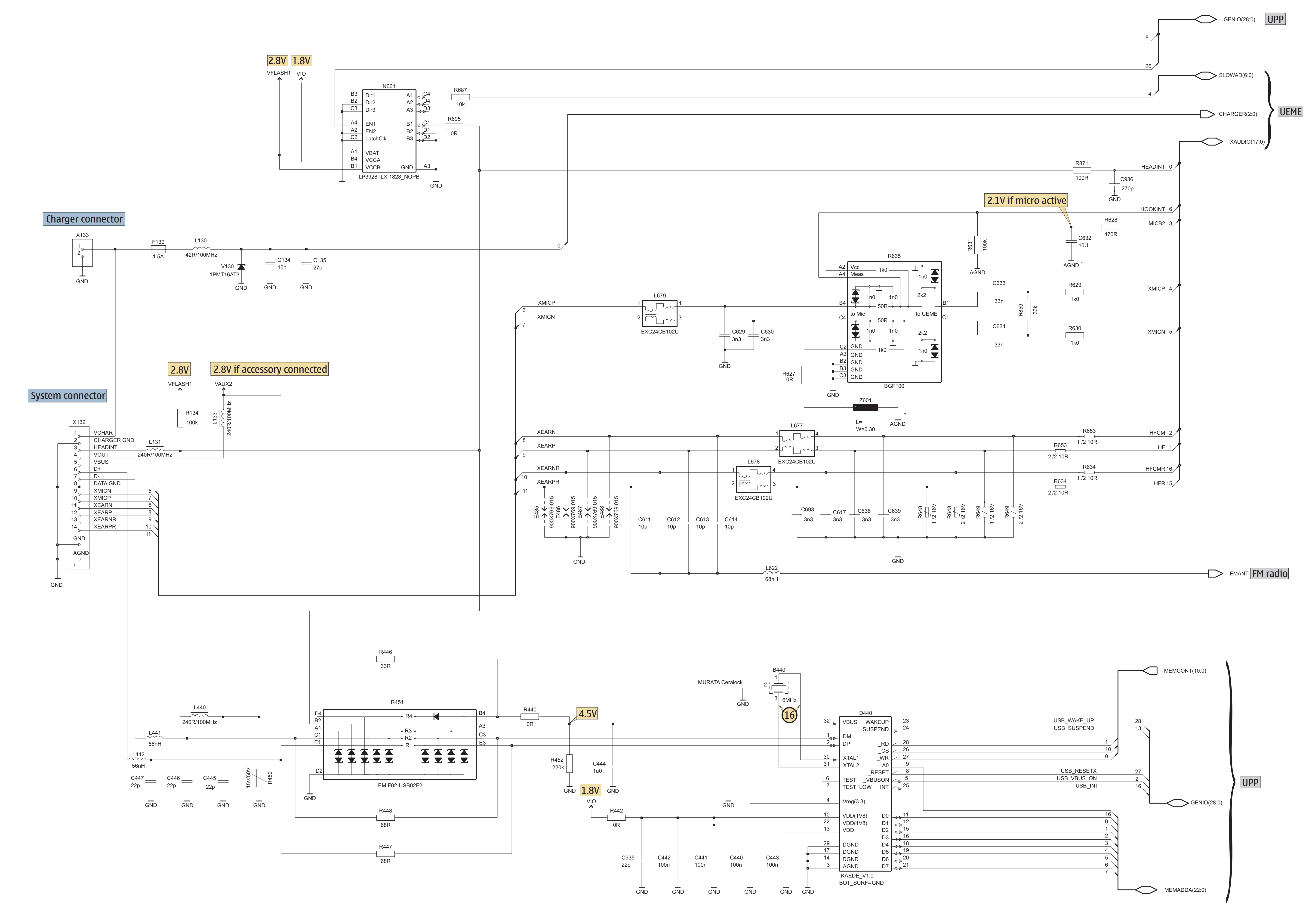
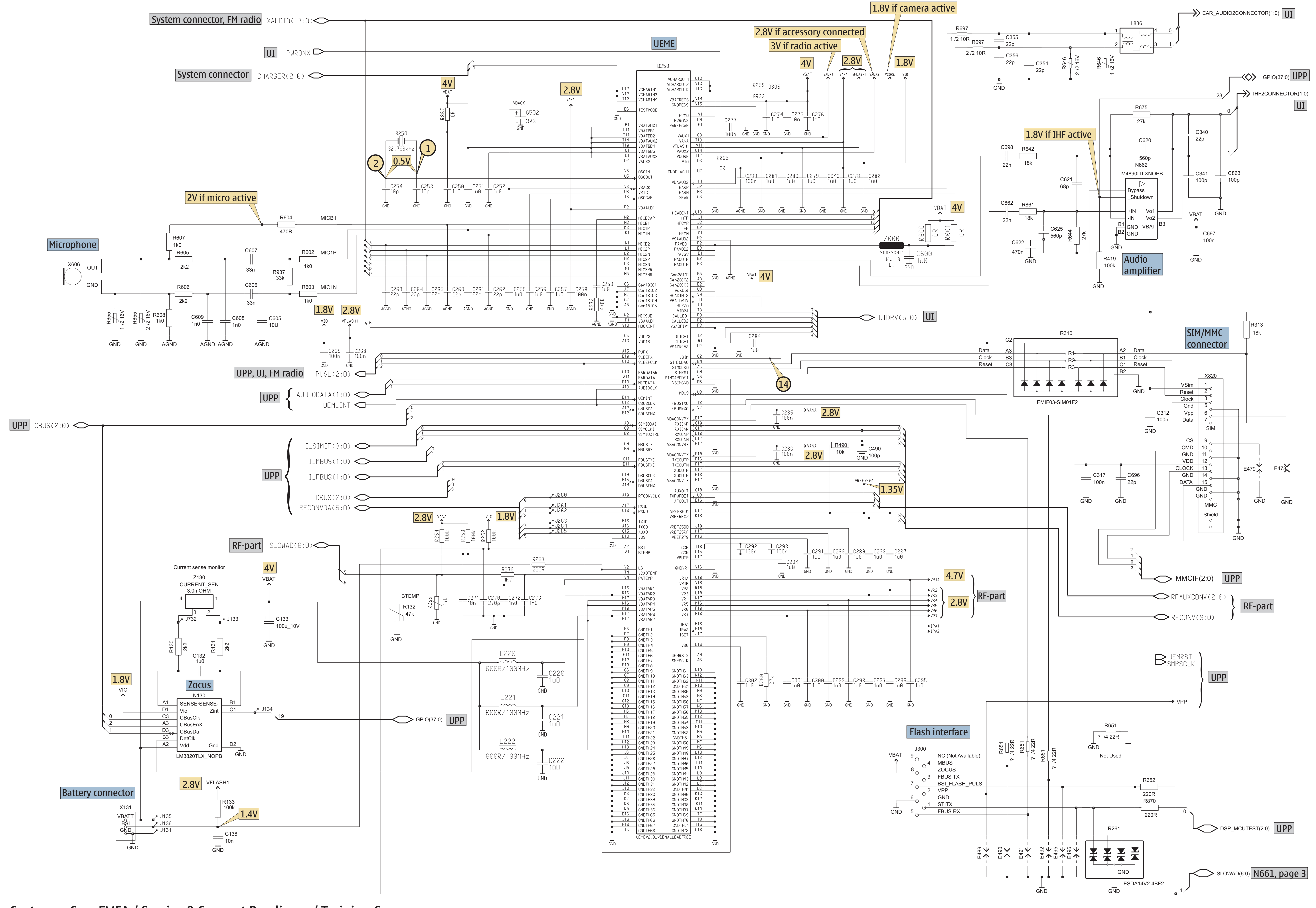
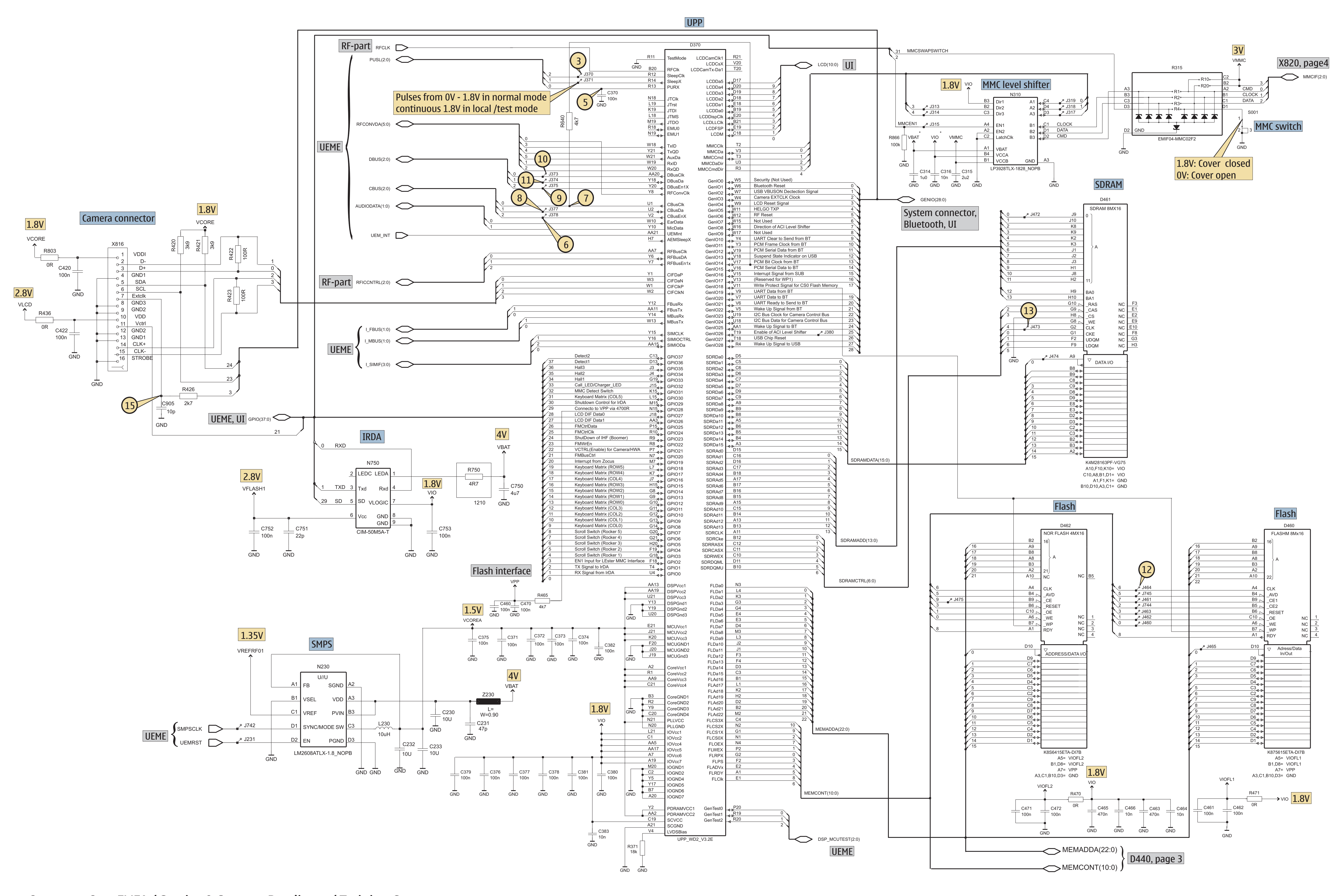
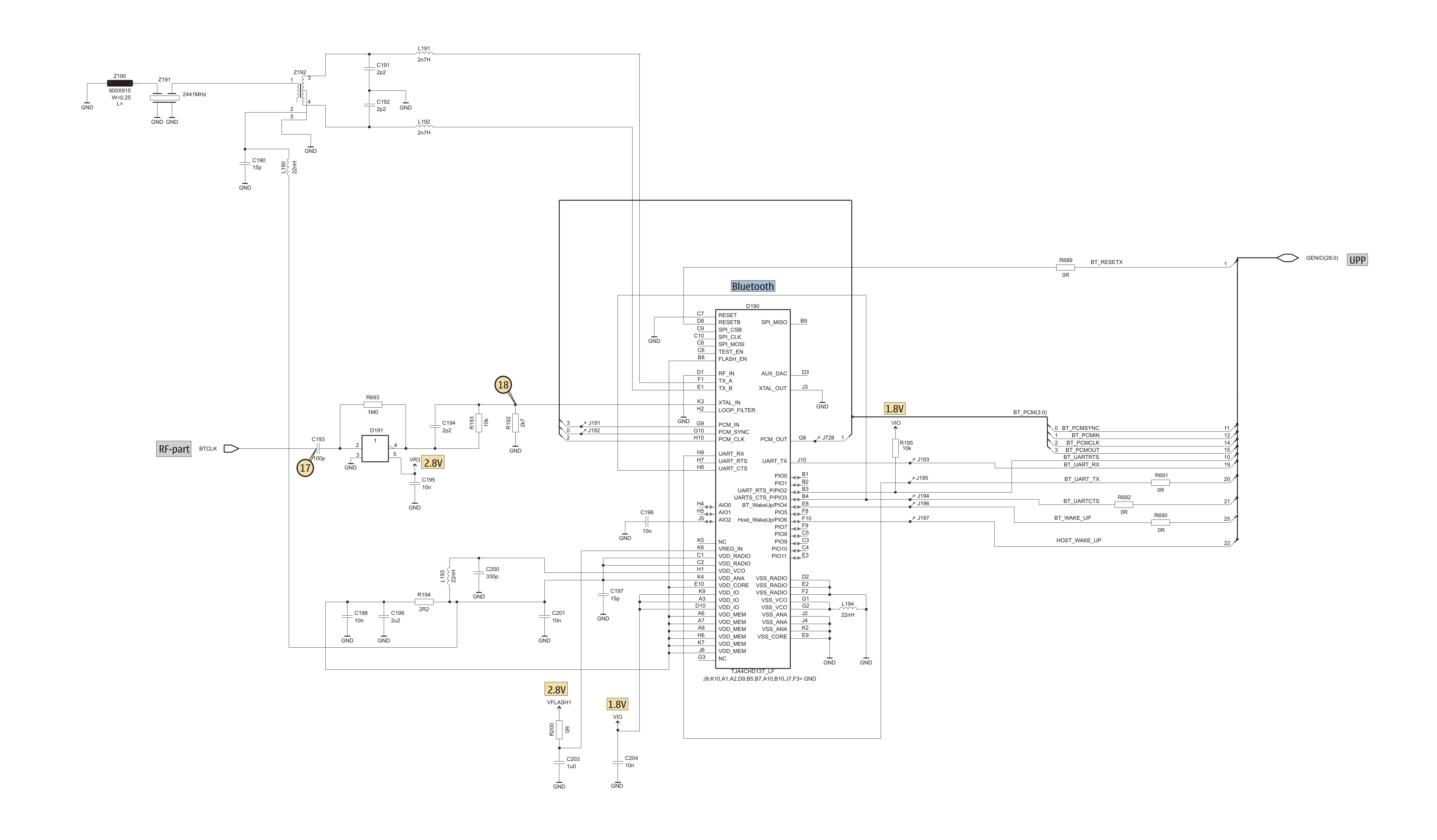
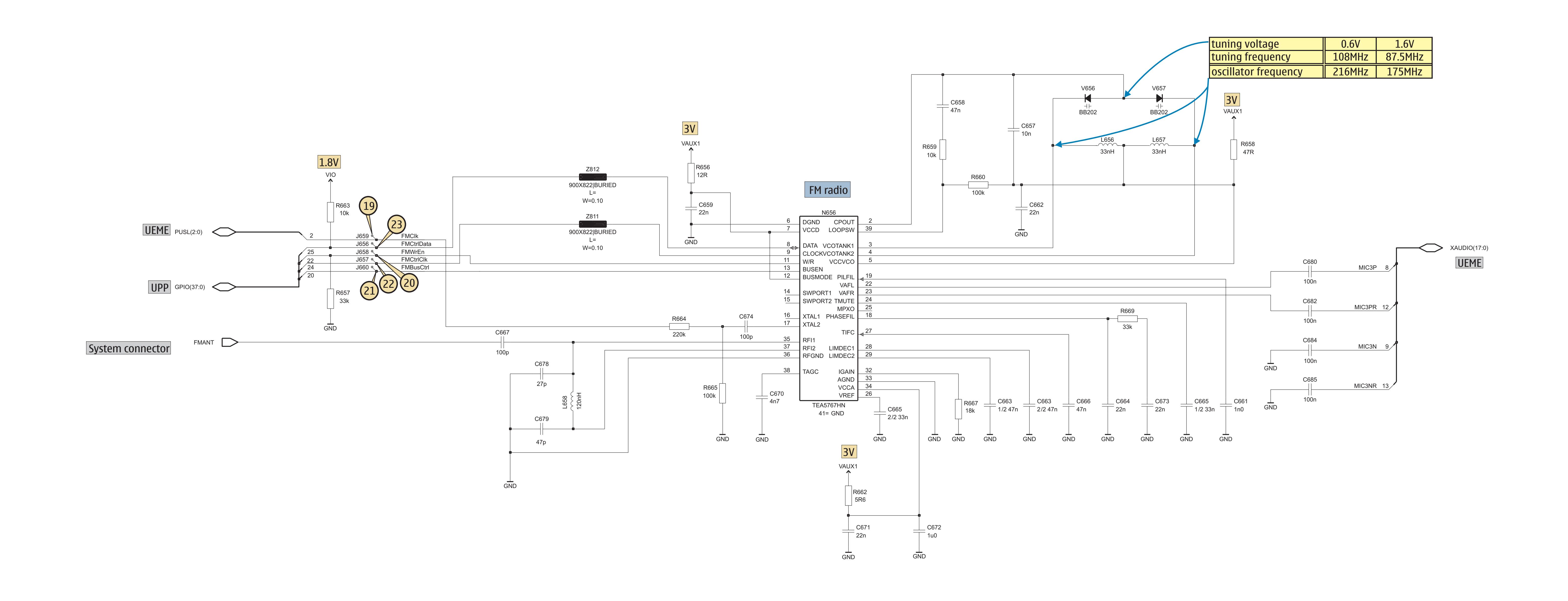


UPP
GENIO(28:0)
SLOWAD(6:0)
CHARGER(2:0)
XAUDIO(17:0)
UEME
2.8V
1.8V
VFLASH1
VIO
N661
LP3928TLX-1828_NOPB
R687
10k
R695
0R
R871
100R
C936
270p
HEADINT
HOOKINT
MICB2
2.1V if micro active
R628
470R
C632
10U
R631
100k
AGND
Charger connector
X133
F130
1.5A
L130
42R/100MHz
V130
1PMT16AT3
C134
10n
C135
27p
GND
R635
BGF100
L679
EXC24CB102U
XMICP
XMICN
C629
3n3
C630
3n3
C633
33n
C634
33n
R659
33k
R629
1k0
R630
1k0
R627
0R
Z601
L=
W=0.30
2.8V
2.8V if accessory connected
VFLASH1
VAUX2
System connector
X132
VCHAR
CHARGER GND
HEADINT
VOUT
VBUS
D+
D-
DATA GND
XMICN
XMICP
XEARN
XEARP
XEARNR
XEARPR
AGND
R134
100k
L131
240R/100MHz
L133
240R/100MHz
L677
EXC24CB102U
L678
EXC24CB102U
HFCM
HF
HFCMR
HFR
C611
10p
C612
10p
C613
10p
C614
10p
C693
3n3
C617
3n3
C638
3n3
C639
3n3
L622
68nH
FMANT
FM radio
R446
33R
R451
EMIF02-USB02F2
R448
68R
R447
68R
L440
240R/100MHz
L441
56nH
L442
56nH
C447
22p
C446
22p
C445
22p
R450
R440
0R
4.5V
R452
220k
C444
1u0
1.8V
VIO
R442
0R
C935
22p
C442
100n
C441
100n
C440
100n
C443
100n
MURATA Ceralock
B440
6MHz
16
D440
KAEDE_V1.0
BOT_SURF=GND
USB_WAKE_UP
USB_SUSPEND
USB_RESETX
USB_VBUS_ON
USB_INT
MEMCONT(10:0)
GENIO(28:0)
MEMADDA(22:0)
UPP

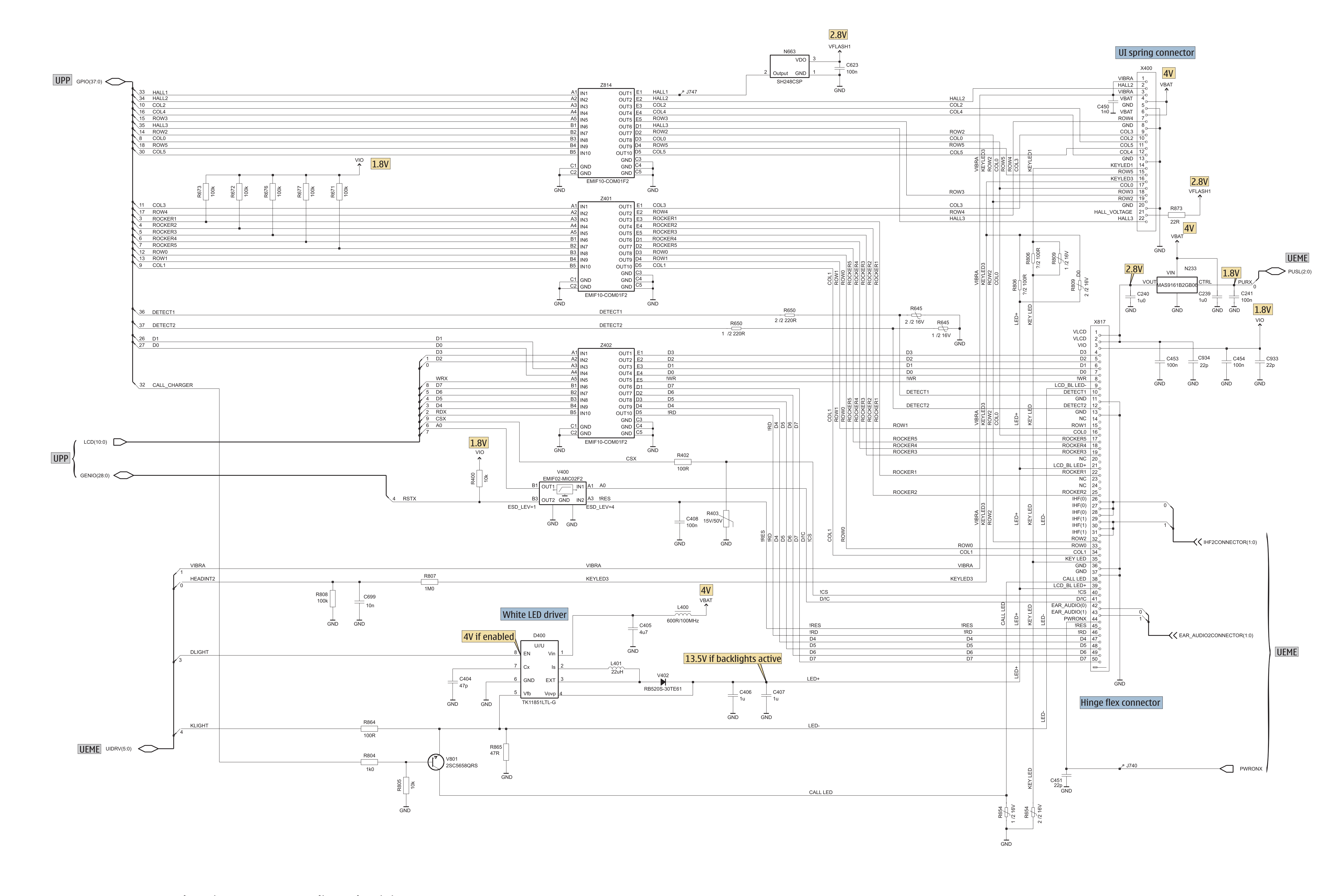

System connector, FM radio
UI
System connector
UEME
Microphone
UPP, UI, FM radio
UPP
RF-part
Zocus
Battery connector
Audio amplifier
SIM/MMC connector
Flash interface
1.8V if camera active
2.8V if accessory connected
3V if radio active
1.8V if IHF active
2V if micro active
N661, page 3

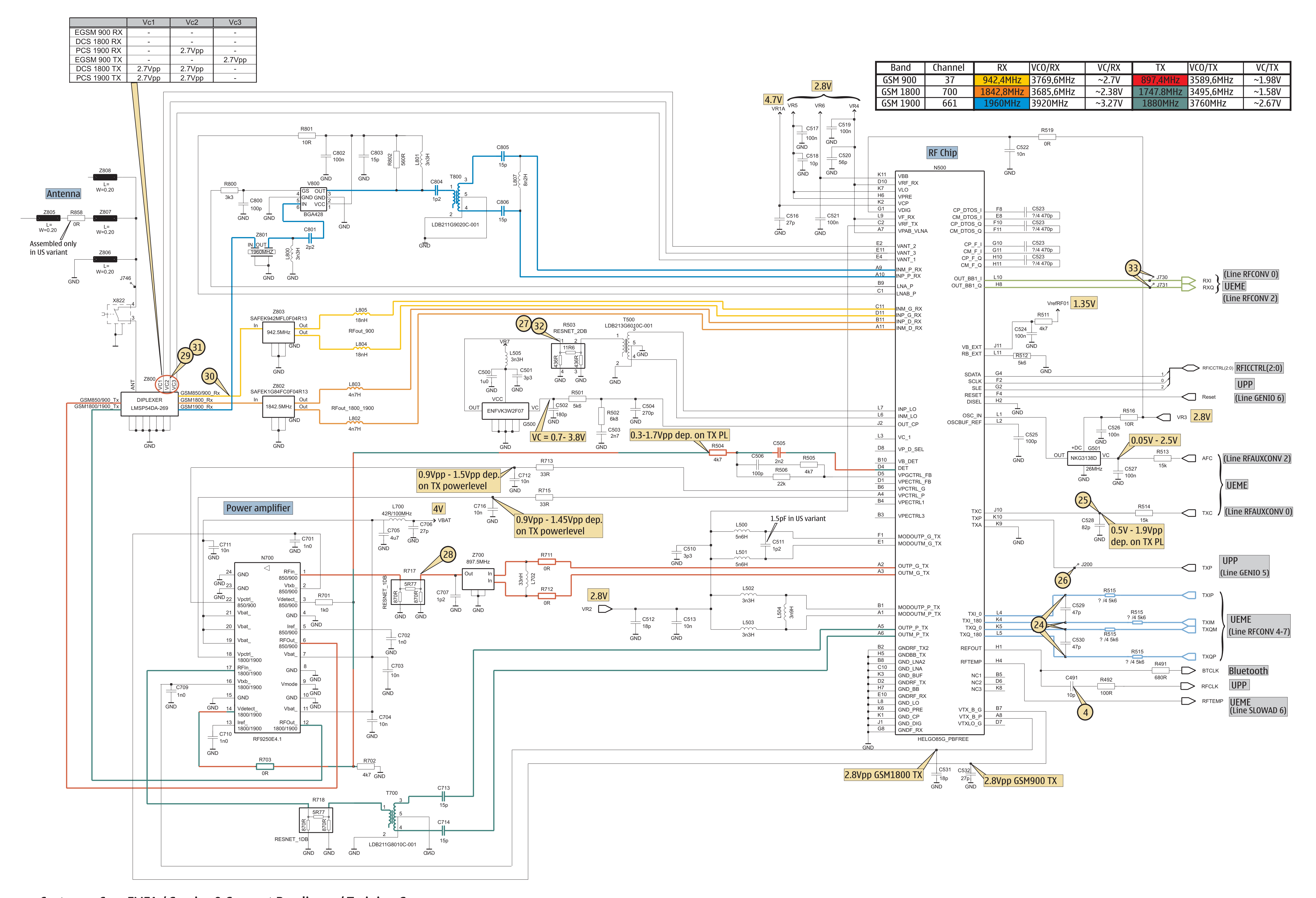

UPP
RF-part
UEME
UI
1.8V
MMC level shifter
3V
X820, page4
MMC switch
1.8V: Cover closed
0V: Cover open
Pulses from 0V - 1.8V in normal mode
continuous 1.8V in local /test mode
System connector,
Bluetooth, UI
SDRAM
Camera connector
2.8V
UEME, UI
IRDA
4V
Flash interface
1.5V
1.35V
SMPS
Flash
D440, page 3
MEMADDA(22:0)
MEMCONT(10:0)


Bluetooth
D190
TJA4CHD13T_LF
J9,K10,A1,A2,D9,B5,B7,A10,B10,J7,F3= GND
RF-part
BTCLK
UPP
GENIO(28:0)
BT_RESETX
BT_PCM(3:0)
BT_PCMSYNC
BT_PCMIN
BT_PCMCLK
BT_PCMOUT
BT_UARTRTS
BT_UART_RX
BT_UART_TX
BT_UARTCTS
BT_WAKE_UP
HOST_WAKE_UP
2.8V
1.8V
VIO
VFLASH1
VR3
17
18



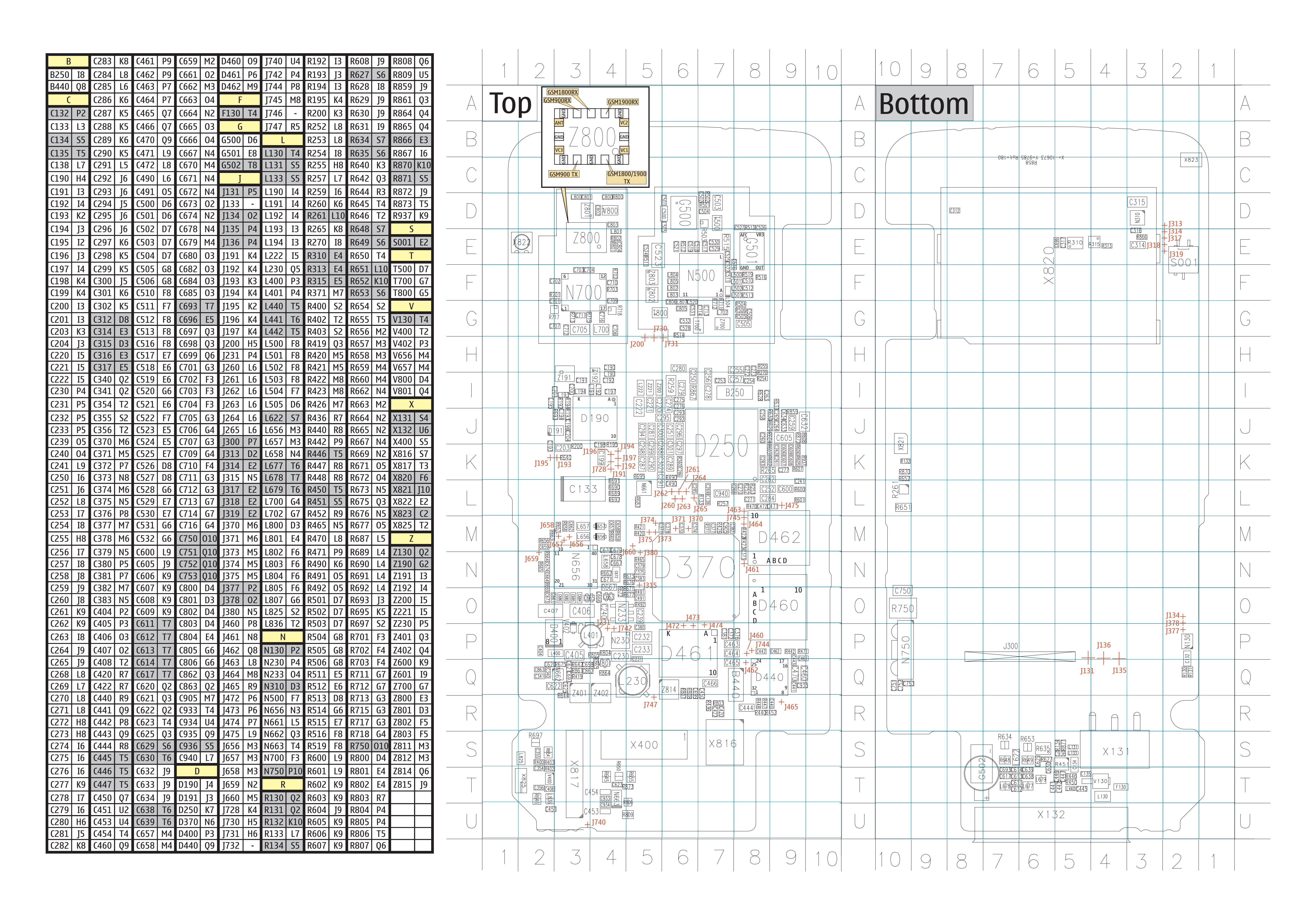
tuning voltage 0.6V 1.6V
tuning frequency 108MHz 87.5MHz
oscillator frequency 216MHz 175MHz
FM radio
N656
TEA5767HN
41= GND
DGND
VCCD
DATA
CLOCK
W/R
BUSEN
BUSMODE
SWPORT1
SWPORT2
XTAL1
XTAL2
RFI1
RFI2
RFGND
TAGC
CPOUT
LOOPSW
VCOTANK1
VCOTANK2
VCCVCO
PILFIL
VAFL
VAFR
TMUTE
MPXO
PHASEFIL
TIFC
LIMDEC1
LIMDEC2
IGAIN
AGND
VCCA
VREF
1.8V
VIO
3V
VAUX1
UEME
PUSL(2:0)
UPP
GPIO(37:0)
System connector
FMANT
XAUDIO(17:0)
FMClk
FMCtrlData
FMWrEn
FMCtrlClk
FMBusCtrl
J659
J656
J658
J657
J660
19
23
21
22
20
Z812
900X822|BURIED
L=
W=0.10
Z811
900X822|BURIED
L=
W=0.10
V656
BB202
V657
BB202
L656
33nH
L657
33nH
L658
120nH
R663 10k
R657 33k
R656 12R
R659 10k
R660 100k
R658 47R
R664 220k
R665 100k
R667 18k
R669 33k
R662 5R6
C658 47n
C657 10n
C662 22n
C659 22n
C667 100p
C674 100p
C678 27p
C679 47p
C670 4n7
C665 2/2 33n
C663 1/2 47n
C663 2/2 47n
C666 47n
C664 22n
C673 22n
C665 1/2 33n
C661 1n0
C671 22n
C672 1u0
C680 100n
C682 100n
C684 100n
C685 100n
MIC3P
MIC3PR
MIC3N
MIC3NR
GND


UPP
GPIO(37:0)
Z814
EMIF10-COM01F2
Z401
EMIF10-COM01F2
Z402
EMIF10-COM01F2
N663
SH248CSP
2.8V
VFLASH1
UI spring connector
X400
4V
VBAT
1.8V
VIO
R873
22R
N233
MAS9161B2GB06
UEME
PUSL(2:0)
X817
Hinge flex connector
IHF2CONNECTOR(1:0)
EAR_AUDIO2CONNECTOR(1:0)
LCD(10:0)
GENIO(28:0)
V400
EMIF02-MIC02F2
White LED driver
4V if enabled
D400
TK11851LTL-G
L400
600R/100MHz
L401
22uH
V402
RB520S-30TE61
13.5V if backlights active
V801
2SC5658QRS
UIDRV(5:0)
J740
PWRONX
CALL LED
LED+
LED-
VIBRA
HEADINT2
DLIGHT
KLIGHT
CALL_CHARGER



	Vc1	Vc2	Vc3
EGSM 900 RX	-	-	-
DCS 1800 RX	-	-	-
PCS 1900 RX	-	2.7Vpp	-
EGSM 900 TX	-	-	2.7Vpp
DCS 1800 TX	2.7Vpp	2.7Vpp	-
PCS 1900 TX	2.7Vpp	2.7Vpp	-

Band	Channel	RX	VCO/RX	VC/RX	TX	VCO/TX	VC/TX
GSM 900	37	942,4MHz	3769,6MHz	~2.7V	897,4MHz	3589,6MHz	~1.98V
GSM 1800	700	1842,8MHz	3685,6MHz	~2.38V	1747.8MHz	3495,6MHz	~1.58V
GSM 1900	661	1960MHz	3920MHz	~3.27V	1880MHz	3760MHz	~2.67V



B		C283	K8	C461	P9	C659	M2	D460	O9	J740	U4	R192	I3	R608	J9	R808	Q6
B250	I8	C284	L8	C462	P9	C661	O2	D461	P6	J742	P4	R193	J3	R627	S6	R809	U5
B440	Q8	C285	L6	C463	P7	C662	M3	D462	M9	J744	P8	R194	I3	R628	I8	R859	J9
C		C286	K6	C464	P7	C663	O4	F		J745	M8	R195	K4	R629	J9	R861	Q3
C132	P2	C287	K5	C465	Q7	C664	N2	F130	T4	J746	-	R200	K3	R630	J9	R864	Q4
C133	L3	C288	K5	C466	Q7	C665	O3	G		J747	R5	R252	L8	R631	I9	R865	Q4
C134	S5	C289	K6	C470	Q9	C666	O4	G500	D6	L		R253	L8	R634	S7	R866	E3
C135	T5	C290	K5	C471	L9	C667	N4	G501	E8	L130	T4	R254	I8	R635	S6	R867	I6
C138	L7	C291	L5	C472	L8	C670	M4	G502	T8	L131	S5	R255	H8	R640	K3	R870	K10
C190	H4	C292	J6	C490	L6	C671	N4	J		L133	S5	R257	L7	R642	Q3	R871	S5
C191	I3	C293	J6	C491	O5	C672	N4	J131	P5	L190	I4	R259	I6	R644	R3	R872	J9
C192	I4	C294	J5	C500	D6	C673	O2	J133	-	L191	I4	R260	K6	R645	T4	R873	T5
C193	K2	C295	J6	C501	D6	C674	N2	J134	O2	L192	I4	R261	L10	R646	T2	R937	K9
C194	J3	C296	J6	C502	D7	C678	N4	J135	P4	L193	I3	R265	K8	R648	S7	S	
C195	I2	C297	K6	C503	D7	C679	M4	J136	P4	L194	I3	R270	I8	R649	S6	S001	E2
C196	J3	C298	K5	C504	D7	C680	O3	J191	K4	L222	I5	R310	E4	R650	T4	T	
C197	I4	C299	K5	C505	G8	C682	O3	J192	K4	L230	Q5	R313	E4	R651	L10	T500	D7
C198	K4	C300	J5	C506	G8	C684	O3	J193	K3	L400	P3	R315	E5	R652	K10	T700	G7
C199	K4	C301	K6	C510	F8	C685	O3	J194	K4	L401	P4	R371	M7	R653	S6	T800	G5
C200	I3	C302	K5	C511	F7	C693	T7	J195	K2	L440	T5	R400	S2	R654	S2	V	
C201	I3	C312	D8	C512	F8	C696	E5	J196	K4	L441	T6	R402	T2	R655	T5	V130	T4
C203	K3	C314	E3	C513	F8	C697	Q3	J197	K4	L442	T5	R403	S2	R656	M2	V400	T2
C204	J3	C315	D3	C516	F8	C698	Q3	J200	H5	L500	F8	R419	Q3	R657	M3	V402	P3
C220	I5	C316	E3	C517	E7	C699	Q6	J231	P4	L501	F8	R420	M5	R658	M3	V656	M4
C221	I5	C317	E5	C518	E6	C701	G3	J260	L6	L502	F8	R421	M5	R659	M4	V657	M4
C222	I5	C340	Q2	C519	E6	C702	F3	J261	L6	L503	F8	R422	M8	R660	M4	V800	D4
C230	P4	C341	Q2	C520	G6	C703	F3	J262	L6	L504	F7	R423	M8	R662	N4	V801	Q4
C231	P5	C354	T2	C521	E6	C704	F3	J263	L6	L505	D6	R426	M7	R663	M2	X	
C232	P5	C355	S2	C522	F7	C705	G3	J264	L6	L622	S7	R436	R7	R664	N2	X131	S4
C233	P5	C356	T2	C523	E5	C706	G4	J265	L6	L656	M3	R440	R8	R665	N2	X132	U6
C239	O5	C370	M6	C524	E5	C707	G3	J300	P7	L657	M3	R442	P9	R667	N4	X400	S5
C240	O4	C371	M5	C525	E7	C709	G4	J313	D2	L658	N4	R446	T5	R669	N2	X816	S7
C241	L9	C372	P7	C526	D8	C710	F4	J314	E2	L677	T6	R447	R8	R671	O5	X817	T3
C250	I6	C373	N8	C527	D8	C711	G3	J315	N5	L678	T7	R448	R8	R672	O4	X820	F6
C251	J6	C374	M6	C528	G6	C712	G3	J317	E2	L679	T6	R450	T5	R673	N5	X821	J10
C252	L8	C375	N5	C529	E7	C713	G7	J318	E2	L700	G4	R451	S5	R675	Q3	X822	E2
C253	I7	C376	P8	C530	E7	C714	G7	J319	E2	L702	G7	R452	R9	R676	N5	X823	C2
C254	I8	C377	M7	C531	G6	C716	G4	J370	M6	L800	D3	R465	N5	R677	O5	X825	T2
C255	H8	C378	M6	C532	G6	C750	O10	J371	M6	L801	E4	R470	L8	R687	L5	Z	
C256	I7	C379	N5	C600	L9	C751	Q10	J373	M5	L802	F6	R471	P9	R689	L4	Z130	Q2
C257	I8	C380	P5	C605	J9	C752	Q10	J374	M5	L803	F6	R490	K6	R690	L4	Z190	G2
C258	J8	C381	P7	C606	K9	C753	Q10	J375	M5	L804	F6	R491	O5	R691	L4	Z191	I3
C259	J9	C382	M7	C607	K9	C800	D4	J377	P2	L805	F6	R492	O5	R692	L4	Z192	I4
C260	J8	C383	N5	C608	K9	C801	D3	J378	O2	L807	G6	R501	D7	R693	J3	Z200	I5
C261	K9	C404	P2	C609	K9	C802	D4	J380	N5	L825	S2	R502	D7	R695	K5	Z221	I5
C262	K9	C405	P3	C611	T7	C803	D4	J460	P8	L836	T2	R503	D7	R697	S2	Z230	P5
C263	I8	C406	O3	C612	T7	C804	E4	J461	N8	N		R504	G8	R701	F3	Z401	Q3
C264	J9	C407	O2	C613	T7	C805	G6	J462	Q8	N130	P2	R505	G8	R702	F4	Z402	Q4
C265	J9	C408	T2	C614	T7	C806	G6	J463	L8	N230	P4	R506	G8	R703	F4	Z600	K9
C268	L8	C420	R7	C617	T7	C862	Q3	J464	M8	N233	O4	R511	E5	R711	G7	Z601	I9
C269	L7	C422	R7	C620	Q2	C863	Q2	J465	R9	N310	D3	R512	E6	R712	G7	Z700	G7
C270	L8	C440	R9	C621	Q3	C905	M7	J472	P6	N500	F7	R513	D8	R713	G3	Z800	E3
C271	L8	C441	Q9	C622	Q2	C933	T4	J473	P6	N656	N3	R514	G6	R715	G3	Z801	D3
C272	H8	C442	P8	C623	T4	C934	U4	J474	P7	N661	L5	R515	E7	R717	G3	Z802	F5
C273	H8	C443	Q9	C625	Q3	C935	Q9	J475	L9	N662	Q3	R516	F8	R718	G4	Z803	F5
C274	I6	C444	R8	C629	S6	C936	S5	J656	M3	N663	T4	R519	F8	R750	O10	Z811	M3
C275	I6	C445	T5	C630	T6	C940	L7	J657	M3	N700	F3	R600	L9	R800	D4	Z812	M3
C276	I6	C446	T5	C632	J9	D		J658	M3	N750	P10	R601	L9	R801	E4	Z814	Q6
C277	K9	C447	T5	C633	J9	D190	J4	J659	N2	R		R602	K9	R802	E4	Z815	J9
C278	I7	C450	Q7	C634	J9	D191	J3	J660	M5	R130	Q2	R603	K9	R803	R7		
C279	I6	C451	U2	C638	T6	D250	K7	J728	K4	R131	Q2	R604	J9	R804	P4		
C280	H6	C453	U4	C639	T6	D370	N6	J730	H5	R132	K10	R605	K9	R805	P4		
C281	J5	C454	T4	C657	M4	D400	P3	J731	H6	R133	L7	R606	K9	R806	T5		
C282	K8	C460	Q9	C658	M4	D440	Q9	J732	-	R134	S5	R607	K9	R807	Q6		